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GARDEN SOIL ANALYSIS

	WINNEBAGO COUNTY FARM BUREAU		916
	ANDREA HAZZARD		FAR WEST BEST
	ANDREA HAZZARD		1
	5111 AHRENS RD PECATONIA IL		7H3106
	7		4/29/2011

SUMMARY REPORT OF ANALYTICAL RESULTS

	pH	Phosphorus (P)	Potassium (K)	Organic Matter (OM)	Soluble Salts (Electrical Conductivity)	Buffer pH (Lime)
RESULTS	6.7	100	429	5.0%	16	0.0
UNITS		PPM	PPM	%	mS/cm	
VERY LOW						
LOW						
MEDIUM						N/A
OPTIMAL						
VERY HIGH						

	Calcium (Ca)	Magnesium (Mg)	Zinc (Zn)	Manganese (Mn)	Boron (B)	Sulfur (S)
RESULTS						
UNITS	PPM	PPM	PPM	PPM	PPM	PPM
VERY LOW						
LOW						
OPTIMAL						
VERY HIGH						

FERTILIZER RECOMMENDATIONS

Fertilizer recommendations are based on University of Wisconsin Soil Test Recommendations for Field, Vegetable and Fruit Crops and Michigan State University Fertilizer Recommendations, MSUE Extension Bulletin E-550B

LIME	APPLY	0	LBS / 1000 ft²
NITROGEN	APPLY	120	LBS/ACRE
PHOSPHORUS	APPLY	0	LBS/ACRE
POTASSIUM	APPLY	0	LBS/ACRE
CALCIUM	APPLY	0	LBS/ACRE
MAGNESIUM	APPLY	0	LBS/ACRE
ZINC	APPLY	0	LBS/ACRE
MANGANESE	APPLY	0	LBS/ACRE
SULFUR	APPLY	0	LBS/ACRE
BORON	APPLY	0	LBS/ACRE

A "0" application rate means that no additional lime or fertilizer is necessary at this time based on the soil test results.

Helpful Hints

1 LB/ACRE = 0.02 LBS/1000FT²
1 LB/ACRE = 0.002 LBS/100FT²

1 LB OF ACTUAL NITROGEN IS EQUAL TO 2.17 LBS UREA (46-0-0), 5.55 LBS AMMONIUM PHOSPHATE (18-46-0) OR 4.76 LBS AMMONIUM SULFATE (21-0-0-24S)

FERTILIZER LABELS & WHAT THEY MEAN

A fertilizer grade or analysis that appears on the bag is the percentages of nitrogen (N), phosphorus (P205) and potassium (K20) in the material. A 5-10-15 grade fertilizer contains 5 percent N, 10 per-cent P205 and 15 percent K20. A 50-pound bag of 5-10-15 fertilizer contains 2.5 pounds of N (50 x 0.05 = 2.5), 5 pounds of P205 (50 x 0.10 = 5), and 7.5 pounds of K20 (50 x 0.15 = 7.5), for a total of 15 pounds of nutrients. The other 35 pounds of material in the bag is filler or carrier.

HOW MUCH PRODUCT TO USE

1. Convert the lbs/acre recommendation to lbs/1000 ft² for smaller areas
2. Multiply the nutrient recommendation times the square footage of your garden, then divide by 1000
3. Take the value you get from #2 and divide by the percent analysis of the nutrient in the fertilizer you plan to use.

Example:

GARDEN AREA =	500 FT	
NITROGEN REC =	40 LBS/ACRE	
CONVERT TO LBS/1000 FT2=	0.8 LBS/1000 FT	
AMOUNT OF ACTUAL N NEEDED	0.8 X 500 ÷ 1000	=0.4 LBS
FERTILIZER YOU MIGHT USE =	21-0-0 (AMMONIUM SULFATE)	=21% NITROGEN
ACTUAL AMOUNT OF 21-0-0 TO USE=	0.4 ÷ 0.21	= 1.9 LBS OF 21-0-0 ON YOUR 500 FT2 GARDEN

5-10-5